

In re Application of: Anthony C. Zuppero et al. Art Unit: 1753

Serial No.: Not Yet Known /0/625801 Examiner: Diamond, Alan D.

Filing Date: July 23, 2003 Date: July 23, 2003

**TITLE: GAS SPECIE ELECTRON-JUMP CHEMICAL ENERGY CONVERTER**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**PETITION TO MAKE SPECIAL UNDER THE ENERGY PROGRAM**  
**(37 C.F.R. 1.102(c) AND M.P.E.P. 708.02, VI)**

SIR:

Applicants hereby petition to make the above-identified application special for an invention that materially contributes to the development or conservation of energy resources and significantly benefits the environment.

The present application discloses methods and apparatus for the conversion of chemical energy of fuels and oxidizers such as hydrogen, ethanol and methanol or hydrocarbons directly into electrical energy or other useful forms, and does so in a compact and efficient manner, and specifically when applied to transportation.

The mass required to develop a given net electric power can be as much as an order of magnitude less than that of an internal combustion engine. This reduction in "engine" mass translates

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**CERTIFICATE OF TRANSMISSION**

I hereby certify that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated below and is addressed to Commissioner for Patents, Alexandria, VA 22313-1450.

Date of Deposit: July 23, 2003; Express Mail label number: EJ622915761US.

[NYC] 406061.1

  
Eunhee Park (Reg. No. 42,976)

**PETITION GRANTED**



Richard Crispino  
Special Program Examiner  
Technology Center 1700. JUN 28 2005